

MATERIAL SAFETY DATA SHEET (MSDS)

OAKITE 90

51-D-58

HMS 3-0-1-F

0900

SECTION I

TRADE NAME

(if None, Put Chemical) Oakite 90

EMERGENCY TELEPHONE NO.

(201) 464-6900 (7AM-5PM)

CHEMICAL NAME

AND SYNONYMS NA - Mixture

MANUFACTURER'S NAME

AND TELEPHONE NO. Oakite Products, Incorporated

(800) 424-9300 (CHEMTREC)

ADDRESS (Number, Street

City, State, Zip Code) 50 Valley Road

Berkeley Heights NJ 07922

SECTION II - HAZARDOUS INGREDIENTS

	%	TLV	PEL	UNITS
Sodium hydroxide (CAS #1310 73 2) - (ceiling)	45-55	2	2	MG/M3
Sodium metasilicate pentahydrate (CAS # 6834 92 0)	20-30	NE	NE	
Sodium carbonate (CAS #497 19 8)	5-15	NE	NE	
Tetrasodium pyrophosphate (CAS # 7722 88 5)	5-15	5	NE	MG/M3
Non-hazardous ingredients*	Bal.	NA	NA	

Industrial Hygiene

FEB 06 1989

*Unidentified ingredients are not considered hazardous under the Federal Hazard Communication Standard (29 CFR 1910.1200).

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	NA	SPECIFIC GRAVITY (H ₂ O=1)	1.154
VAPOR PRESSURE (MM Hg.)	NA	PERCENT VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA	pH (4% solution)	13.2
SOLUBILITY IN WATER	Appreciable	EVAPORATION RATE	NA
APPEARANCE AND ODOR	White powder with small beads; odorless		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NONE	FLAMMABLE LIMITS	LEL NA	UEL NA
EXTINGUISHING MEDIA	Use media suitable for surrounding materials.			
SPECIAL FIRE FIGHTING PROCEDURES	Wear Self-Contained Breathing Apparatus (SCBA).			
UNUSUAL FIRE AND EXPLOSION HAZARDS	See Section VI.			

NA - Not Applicable

NE - Not Established

UN - Unavailable

SECTION V - HEALTH HAZARD INFORMATION

SYMPTOMS/EFFECTS OF OVEREXPOSURE Severe irritation of the nose, mouth, and respiratory tract; coughing, difficulty breathing; chemical pneumonitis. Severe skin irritation and burns. Eye contact causes severe or permanent damage. **MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known.

FIRST AID

EYES Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. Get prompt medical attention.

SKIN Immediately remove contaminated clothing; wash skin with large amounts of water for at least 15 minutes. Get prompt medical attention.

INHALATION Move victim to fresh air and restore breathing if necessary. Stay with victim until arrival of emergency medical personnel.

INGESTION Contact local poison control center or physician IMMEDIATELY!

SECTION VI - REACTIVITY DATA

STABILITY Normally Stable.

INCOMPATIBLE MATERIALS Acids. Contact with certain metals may yield explosive hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS Phosphorus oxides, Hydrogen

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES Wear personal protective equipment (See Section VIII). Carefully clean up spilled material and place in dry containers for disposal. Avoid dust generation.

WASTE DISPOSAL METHOD Dispose of in accordance with Local, State, and Federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH-approved dust/mist respirator.

EYEWEAR Wear chemical safety goggles.

CLOTHING/GLOVES If potential for skin contact exists, wear neoprene or other chemical resistant gloves and apron or coveralls and/or foot coverings, as needed.

VENTILATION Local exhaust may be necessary under some handling/use conditions. Specific needs should be addressed by supervisory or health/safety personnel.

SECTION IX - SPECIAL PRECAUTIONS

OAKITE 90 CORROSIVE. Store in closed container in dry, well-ventilated area.

NOTE: IF DISSOLVING, ALWAYS ADD THIS PRODUCT SLOWLY TO WATER WITH CONSTANT STIRRING. This product does not contain any carcinogens (at 0.1% or greater) as defined by IARC, NTP, or OSHA.

APPROVAL

NAME

TITLE

DATE

The information contained herein has been developed based upon current available scientific data. New information may be developed from time to time which may render the conclusions of this report obsolete. Therefore, no warranty is extended as to the applicability of this information to the user's intended purpose or for the consequences of its use or misuse.